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DEMIN Substitute for form 1449B/PTO				Application Number	10/688,078	<del></del>
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	17 October 2003	······
				First Named Inventor	P. Bryant Chase	
				Group Art Unit	1651	
				Examiner Name	Roseanne KOSSON	
Sheet	1	of	2	Attorney Docket Number	FSUN-001/01US	

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, eity and/or country where published.	T³
RX	Dì	BUNK, et al., Actomyosin motility on nanostructured surfaces. Biochem. Biophys. Res. Commun. 301:783-788 (2003)	
	D2	CHAEN, et al., Lower activation energy for sliding of F-actin on a less thermostable isoform of carp myosin, J Biochem (Tokyo) 120:788-791. (1996).	
	D3	CHASE, et al. Viscosity and solute dependence of F-actin translocation by rabbit skeletal heavy meromyosin. Am J Physiol Cell Physiol 278:C1088-C1098 (2000)	
	D4	CHOMCZYNSKI et al., Single-step method of RNA isolation by acid guanidinium thiocyanate-phenol-chloroform extraction. <i>Anal. Biochem.</i> 162:156-9 (1987)	
	D5	DONG, et al., Kinetic studies of calcium binding to the regulatory site of troponin C from cardiac muscle. J. Biol. Chem. 271:688-94 (1996).	
	D6	GORDON, et al. Calcium regulation of skeletal muscle thin filament motility in vitro. Biophys. J. 72:1295-1307 (1997)	
	D7	HESS et al., Molecular shuttles based on motor proteins: active transport in synthetic environments, J. Biotechnol. 82:67-85 (2001)	
	D8	HESS, et al, Light-Controlled Molecular Shuttles Made from Motor Proteins Carrying Cargo on Engineered Surfaces Nano Lett. 1:235-239 (2001)	
	D9	KÖHLER, et al., Familial hypertrophic cardiomyopathy mutations in troponin I (K183D, G203S, K206Q) enhance filament sliding. <i>Physiological Genomics</i> 14:117-128 (2003);	
	D10	KRON, et al., Assays for actin sliding movement over myosin-coated surfaces. Methods Enzymol. 196:399-416 (1991)	
	DII	KUNIOKA, et al., Innocuous labeling of the subfragment-2 region of skeletal muscle heavy meromyosin with a fluorescent polyacrylamide nanobead and visualization of individual heavy meromyosin molecules. <i>J Biochem (Tokyo)</i> 119:1024-32 (1996).	

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Complete if Known Substitute for form 1449B/PTO Application Number 10/688,078 Filing Date 17 October 2003 INFORMATION DISCLOSURE First Named Inventor P. Bryant Chase STATEMENT BY APPLICANT Group Art Unit 1651 Examiner Name Roseanne KOSSON (use as many sheets as necessary) Sheet of Attorney Docket Number FSUN-001/01US OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS LIANG, et al. Ca2+ regulation of rabbit skeletal muscle thin filament sliding: role of cross-bridge number. Biophys. J. 85:1775-1786 (2003) RR D13 LIMBERIS, et al., Polarized Alignment and Surface Immobilization of Microtubules for Kinesin-Powered Nanodevices. Nano Lett. 1:277-280 (2001) D14 MARGOSSIAN et al., Preparation of Myosin and its Subfragments from Rabbit Skeletal Muscle. Methods Enzymol. 85(Pt B): 55-71 (1982) D15 NIELSCH, et al., Hexagonally ordered 100 nm period nickel nanwire arrays, Appl Phys Lett 79:1360-1362 (2001). D16 POTTER, Preparation of troponin and its subunits. Methods Enzymol. 85:241-263 (1982) D17 SCHMIDT, et al., Force Tolerance of Hybrid Nanodevices, Nano Lett. 2:1229-1233 (2002) SELLERS and KACHAR, Polarity and velocity of sliding filaments: control of direction by actin and of speed by myosin, D18 Science 249:406-408 (1990) D19 SIDELL, et al., The eurythermal myofibrillar protein complex of the mummichog (Fundulus heteroclitus): adaptation to a fluctuating thermal environment, J Comp Physiol 153:167-173 (1983). D20 SOONG, et al., Powering an inorganic nanodevice with a biomolecular motor, Science 290:1555-1558 (2000) D21 SUZUKI, et al., Control of actin moving trajectory by patterned poly(methylmethacrylate) tracks. Biophys. J. 72:1997-2001 (1997) D22 TOYOSHIMA, et al., Bidirectional movement of actin filaments along tracks of myosin heads, Nature 341:154-156 (1989)

Examiner		Date	-11 - 10
Signature	forame Loson	Considered	10(12) 05

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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